

IN THE STATES PATENT AND TRADEMARK OFFICE

app.	lica	tion	of:
	app.	applicat	application

Kiyoshi OGISHI, et al.

Serial No: 09/708,263

Filed:

November 7, 2000

For:

Key Sharing Method, Secret Key Generating Method, Common Key

Generating Method and

Cryptographic Communication Method in ID-NIKS Cryptosystem

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Art Unit: 2134

Examiner: Jung, David Yiuk

Confirmation No: 9975

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450, on

February 8, 2006

Date of Deposit

Juanita Soberanis

Suanta Sheraniz 108/2

Signature

Date

Dear Sirs:

- 1. The information disclosure statement submitted herewith is being filed within three months of the filing date of the application other than a continued prosecution application, or within three months of the date of entry into the national stage of an international application, or before the mailing date of a first Office Action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under §1.114, whichever event occurs last. 37 C.F.R. §1.97(b).
- 2. The information disclosure statement transmitted herewith is being filed after the period specified in §1.97(b), but before the mailing date of a final action under §1.113, or a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, whichever occurs first. A statement specified in §1.97(e) or a fee set forth in §1.17(p) is included. 37 C.F.R. §1.97(c).

§1.97(e) STATEMENT

I, the person signing below, state:

that each item of information contained in the information disclosure statement was first cited in the attached communication from a foreign patent office in a counterpart foreign application and that the communication is dated not more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(1).

OR

that no item of information contained in the information disclosure

statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(2).

		OR FEE
		Attached is a fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(c). (\$180.00). [OR:] Please charge the fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(c) (\$180.00) to Deposit Account No. 50-1314. A copy of this petition is enclosed.
3.		The information disclosure statement transmitted herewith is being filed after the period specified in §1.97(c), but before, or simultaneously with the payment of the issue fee. A statement specified in §1.97(e) and a fee set forth in §1.17(p) are included. 37 C.F.R. §1.97(d).
		§1.97(e) STATEMENT
		I, the person signing below, state:
		that each item of information contained in the information disclosure statement was first cited in the attached communication from a foreign patent office in a counterpart foreign application and that the communication is dated not more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(1).
		OR
		that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(2).
		AND FEE
		Attached is a fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(d). (\$180.00).
1 .		If it should be determined that for any reason either an insufficient fee or an excessive has been paid, please charge any insufficiency or credit any overpayment necessary to ensure consideration of the information disclosure statement for the above-identified application to Deposit Account No. 50-1314. A copy of this petition is enclosed.
5	\boxtimes	A list of 5 reference(s) is in the enclosed Form PTO-1449.

NON-ENGLISH LANGUAGE REFERENCES

\boxtimes	Also enclosed is a Corrected Form PTO-1449 submitted in order to correct typographical errors discovered on the form originally presented November 2, 2004.
	In particular, in the third-listed reference (MENEZES), the pertinent pages are corrected to 1639-1646; in the eighth-listed reference (MATSUMOTO), the pertinent pages are corrected to 185-193; and in the seventeenth-listed reference (OHGISHI), the pertinent pages are corrected to 285-287 and the year of publication to 1999.
	Since copies of each of these references were already submitted with the originally-submitted IDS, duplicate copies are not enclosed.
	The specification incorporates comments on the relevancy of Non-English language references.
	Set forth below are comments provided by the applicant's home country counsel on the relevancy of non-English language references:

By:

Respectfully submitted, HOGAN & HARTSON L.L.P.

> Troy M. Schmelzer Registration No. 36,667

Attorney for Applicant(s)

Date: February 8, 2006

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FORM PTO-1449				Docket Number (Optional) 81942.0004 Application Number 09/708,263				
ON	ORMATION DISCLOSURE IN AN APPLICATION		Applicant	Kiyo	oshi Ogishi			
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	At 1	U.S. PATENT	DOCUMENTS					
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	Ryuichi SAKAI, "Elliptic Curve Cryptosystems", (pp. 33-40), FAIT (Forum on Advanced Information Technology), Kyoto Institute of Technology, March 2000 and English language translation (pp. 1-24)							
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	Yasuyuki MURAKAMI, et al., "A New Probablistic ID-Based Non-interactive Key Sharing Scheme", IEICE TRANS. FUNDAMENTALS, Vol. E83-A, No. 1, January 2000							
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Docket Number (Optional) Application Number FORM PTO-1449 CORRECTED 81942.0004 09/708,263 INFORMATION DISCLOSURE CITATION **Applicant** OGISHI, et al. IN AN APPLICATION FEB 1 3 2006 **Group Art Unit** (Use several sheets if necessar **Filing Date** November 7, 2000 2134 **DOCUMENTS FILING DATE IF EXAMINER CLASS SUBCLASS** DATE NAME DOCUMENT NUMBER APPROPRIATE INITIAL FOREIGN PATENT DOCUMENTS **Translation** DATE COUNTRY **CLASS SUBCLASS** DOCUMENT NUMBER YES NO OB OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Joseph H. Silverman, "The Arithmetic of Elliptic Curves", Springer-Verlag, 1986, pp. 94-99 OKAMOTO, et al., "Cipher/Zero Knowledge Proof/Number Theory", edited by Information Processing Society of Japan, Kyoritsu Suppan, 1995, pp. 185-197 MENEZES, et al., "Reducing Elliptic Curve Logarithms to Logarithms in a Finite Field", IEEE Trans. Inf. Theory 39, pp. 1639-1646, 1993 KANAYAMA, et al., "An Implementation of the MOV Reduction and the FR Reduction", SCIS '99, no.fl-1.4, Jan 1999, pp. 791-BLAKE, et al., "Elliptic Curves in Cryptography", London Mathematical Society Lecture Note Series 265. Cambridge University Press, 1999, pp. 42-45, pp. 79-89 HARAZAWA, et al., "Comparing the MOV and FR Reductions in Elliptic Curve Cryptography", vol.J82-A no.8, pp. 1278-1290. M. KASAHARA, "Key Sharing System Based on the ID Information", vol. 47, no.2.pp. 141-145, Feb. 1993 MATSUMOTO, et al., "On the Key Predistribution System: A Practical Solution to the Key Distribution Problem", Proceeding of 200 Crypto'87, pp. 185-193, 1987 H. TANAKA, "A Realization Scheme for the Identity-Based Cryptosystem", Proceeding of Crypto'87, pp. 340-349, 1987 S. TSUJII, "An ID-Based Cryptosystem Based on the Discrete Logarithm Problem", IEEE Journal on Selectred Areas in Communications, Vol.7, No. 4, 1989, pp. 467-473 S. LANG, "Elliptic Curves Diophantine Analysis", Department of Mathematics, Yale University, Springer-Verlag. GTM112, 1978 N. KOBLITZ, "Elliptic Curve Cryptosystems", Math. Comp. Vol.48. pp. 203-209. 1987

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Docket Number (Optional) Application Number FORM PTO-1449 CORRECTED 09/708,263 81942.0004 **Applicant** INFORMATION DISCLOSURE CITATION OGISHI, et al. IN AN APPLICATION **Group Art Unit** (Use several sheets if necessary) **Filing Date** 2134 November 7, 2000 1 8 2006 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) OK SHI, et al., "Elliptic Curve Signature Scheme With No y Coordinate", SCIS'99, pp. 285-287, 1999 SATOH, et al., "Fermat Quotients and the Polynomial Time Discrete Log Algorithm for Anomalous Elliptic Curves", Comm. Math. Univ. Sancti Pauli, Vol. 47, pp. 81-92, 1998 N.P. SMART, "The Discrete Logarithm Problem on Elliptic Curves of Trace One", Journal of Cryptology, 1999, pp.193-196 I.A. SEMAEV, Evaluation of Discrete Logarithms In A Group of p-Torsion Points of An Elliptic Curve in Characteristic p, Math.

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